## Paped March 1828

Inaugural Thesis

Cathartics

Offered for the degree of Doctor of Medicine

The University of Bensylvania

Charles of English A.M. of Georgetown D.C. AD 1828

"Unus et alter ... pannus assuitur" "Hor: 

## Catharties

Among the subjects which are presented to the notice of the Physiologist, not the least curious or interesting are the organs by which are prepared for its entrance into their systems, what may be ness pary for the growth and preservation of organized bodies. One of the characteristic differences in the constitution of the two great kingdoms of Organized Ereation, the Animal, and the Gegetable, is the situation and structure of their digestive the situation and structure of their digestive.

In regetables they are situated on their surface, the exterior of the roots being their organs of degestion. The substances from which they derive their nounshment are placed by Nature in contact with those parts, and by them are so changed as to be fit

sted for entrance into Mose wessels by which mutrition is performed and to be subser = - wint to that process.

But in animals, the digestive organs are situated in the interior of their bodies. The food which is introduced into them does does not consist solely of what is capable of ofit other matter which is not. The portion which 4, after being properly claborated is taken up and conveyed into the general circu= = lation by the appropriate vessels, while The other portion is rejected. But as the accumulation of the rejected portion with = in their bodies would materially inter = - fere with the natural actions of ani-: mals, it is necessary that there should be some apparatus for its removal. We ac-: cordingly find an alvine Banal pro=

sided for the purpose in most animals In the leach, however, and some other of the lower classes, the same channel is said to afford this outlet, which serves for the

reception of food.

In Man, the useless part of the food is removed by the intestines, which are that part of the alimentary Banal, which ex tends from the pylonis to the anus. They serve besides other important purposes in the animal economy. In them is performed an important part of the function of digestion. Partly to assist in the above processes, and partly to remove from the blood matters, which having served their purposes in the body, have become effects, various fluids are poured into the intes-= times. These are, the bile, the secretion of The pancreas, serum, and mucus.

The intestinal tube is formed principally of three coats, differing in structure according to the offices they were intended to here lown. The internal one is called a mucous membrane, from its surface being illimated by the mucus coming from the numerous glands and follicles entering into its structure. Its surface is Mickly studded : twe. The commencement of a velsel for re= blood which it derives from the food, and The vessel or vessels which exhale serum. The ducts of the liver and spleen are lined to their minutest ramifications in those organs, by prolongations of this membrane. Exterior to this coat there is a museu=

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in a spiral man not corner, a complete out. The above one the structures exhibit one it effy concerned in the operation of Cathartics the external cost only being an envelope to the organize paracting and protection him from emproperating and truends hards.

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thus, more than counterbalance the dans gar from any debility they could possibly induce

The last effect of catharties which shall be mentioned, it that of revolution. During their action blood is determined to the assument orisera in unusual quantities that disturbance in the distribution of the general circulation must durinish the determination to, and action in the sthere organs of the body then we consider the copious vascular supply which is afforded to the abdominal viscera, the influence they may exercise in this way will not seem in considerable

Most of the benefit derived from catharies, is such, will probably result from their producing some of the effect enumerated. Many of them combine with the property 100% : At which places them in this class, some other, which must be attended to in selecting articular from the class, according to the circumsestomes of the case in which they are to be used.

It would be unnecessary to attempt to determine the relative importance of this, as compared with other classes of medicienal articles: let it suffice that the use of cathartics could scarcely be disposed with in the practice of medicine.

